

FORM PTO-1449  
(Rev. 2-32)

**U.S. Department of Commerce  
Patent and Trademark Office**

**Atty. Docket No.**

99,097

Serial No.

09/281,990

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use several sheets if necessary)

**Applicant:**

John W. Elling and Susan I. Bassett

**Filing Date:**

March 29, 1999

**Group:**

2762

163

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc).

185	1.	Weininger, D., SMILES, a Chemical Language and Information System. 1. Introduction to Methodology and Encoding Rules. <i>J. Chem. Inf. Comput. Sci.</i> 28: 31-36 (1988).
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EXAMINER

DATE CONSIDERED

7/11, c

EXAMINER: I have reviewed the information submitted and have determined that the proposed trademark is not considered to be a trademark under the provisions of the TRADEMARK ACT, R.S.C. 1985, c. TM, s. 2. I have also determined that the proposed trademark is not considered to be a trademark under the provisions of the TRADEMARK ACT, R.S.C. 1985, c. TM, s. 2. I have also determined that the proposed trademark is not considered to be a trademark under the provisions of the TRADEMARK ACT, R.S.C. 1985, c. TM, s. 2.

$\mathbf{A} = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$

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2762 1681

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
MBS	1.	5,684,711	11/4/97	Agrafiotis et al.	—	—	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).**


EXAMINER

Monika Juremborg

DATE CONSIDERED

7/11/01

EXAMINER Initial if citation considered; another initial if citation is not considered with MPER 609. Do not indicate citation if not in performance and not considered. File with copy of this form with next communication.

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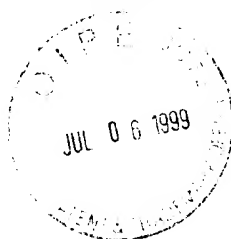
Serial No.

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### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)



**Applicant:** ID 2700

John W. Elling and Susan I. Bassett

**Filing Date:**

March 29, 1999

**Group:**

~~2762~~ 1631

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
WGS	1.	5,263,120	11/16/93	Bickel	—	—	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
WBS	2.	WO 98/47087	10/22/98	PCT	—	—		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.).

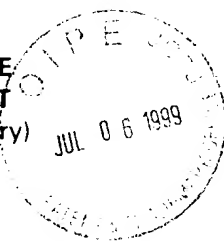
MB5	3.	Downs, G. M. and Willett, P., Similarity Searching and Clustering of Chemical-Structure Databases Using Molecular Property Data, <i>J. Chem. Inf. Comput. Sci.</i> 34: 1094-1102 (1994).
1	4.	Kearsley, S. K. et al., Chemical Similarity Using Physiochemical Property Descriptors, <i>J. Chem. Inf. Comput. Sci.</i> 36: 118-127 (1996).
	5.	Brown, R. D. et al., Matching Two-Dimensional Chemical Graphs Using Genetic Algorithms, <i>J. Chem. Inf. Comput. Sci.</i> 34: 63-70 (1994).
	6.	Brown, R. D. and Martin, Y.C., Use of Structure - Activity Data to Compare Structure-Based Clustering Methods and Descriptors for Use in Compound Selection, <i>J. Chem. Inf. Comput. Sci.</i> 36: 572-584 (1996).
	7.	Discriminant Analysis and Clustering - Panel on Discriminant Analysis, Classification and Clustering. <i>Statistical Science</i> 4: 34-69 (1989).
	8.	<del>Barnard, J. M. and Downs, G. M., Chemical Fragment Generation and Clustering Software, Product Descriptions, June 27, 1996.</del>
MB5	9.	Regalado, A. Preclinical Strategies - Drug Development's Preclinical Bottleneck. <i>Start-Up</i> , pp. 26-27 (December 1996).

Chayer, A. M., Combinatorial chemistry becoming core technology at drug discovery companies, *C & EN* pgs. 57-64 (February 1996).

EXAMINER

DATE CONSIDERED

EXAMINER: ☐ In conformance with the MPEP 609 (1) and (2) criteria, the invention is in conformance and is considered. ☐ Not in conformance and not considered. Include copy of this form with next communication.

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JUL 13 1999

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## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.).

NBS	12.	Combinatorial Chemistry – Combinatorial chemists focus on small molecules, molecular recognition, and automation, C & EN pgs. 28-54 (February 1996).
	13.	Kohonen, Self-Organizing Maps, Springer pgs. 85-144. (1995)
	14.	<del>Goodacre, R. et al., Quantitative Analysis of Multivariate Data using Artificial Neural Networks: A Tutorial Review and Applications to the Deconvolution of Pyrolysis Mass Spectra, Tutorial from &lt;math&gt;\langle \rangle</del>
NBS	15.	Chen, X. et al., Recursive Partitioning Analysis of a Large Structure-Activity Data Set Using Three-Dimensional Descriptors <sup>1</sup> , J. Chem. Inf. Comput. Sci. (1998).
	16.	James, C. A. et al., Daylight Theory Manual Daylight 4.61, Daylight Chemical Information Systems, Inc., Version 11 February, 1997.
	17.	Labute, P., Binary QSAR: A New Technology for HTS and UHTS Data Analysis, Chemical Computing Group Inc. Journal of the Chemical Computing Group (1998).
	18.	Network Science – Welcome to NetSci's Lists of Computational Chemistry Software (1999).

EXAMINER

Manka Slemay

DATE CONSIDERED

7/11/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through